

Name: \_\_\_\_\_

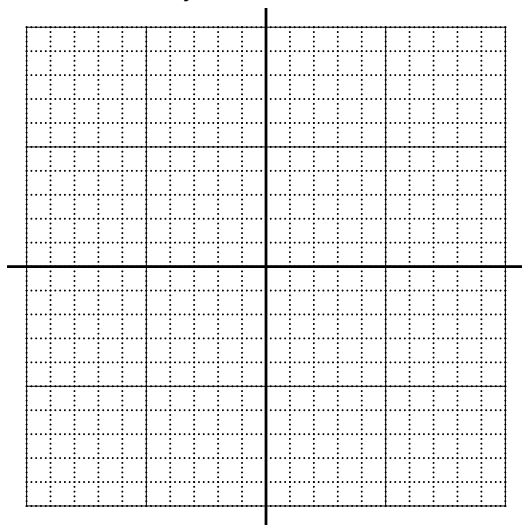
Date: \_\_\_\_\_

## PCW\_\_09\_\_29: Graph Parent Translations (version 2)

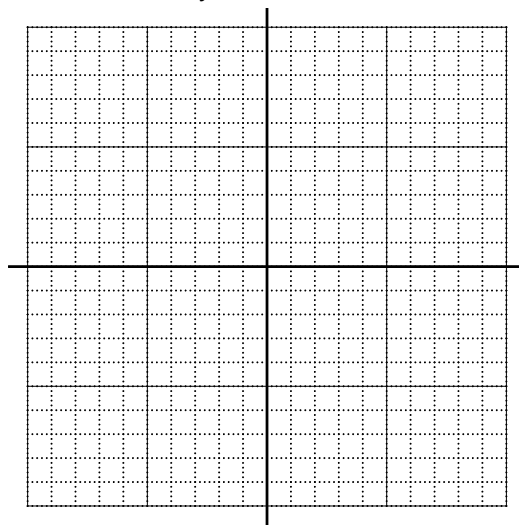
Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

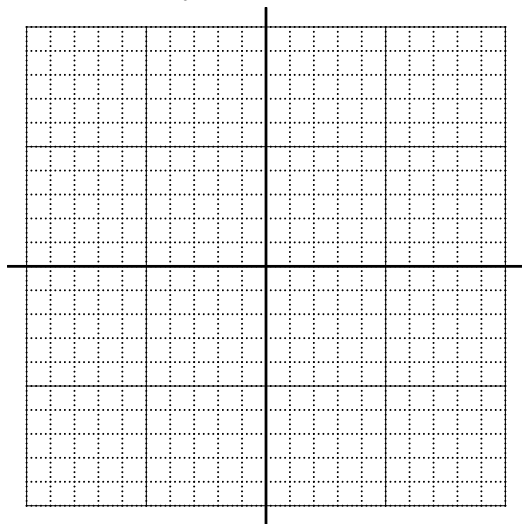
$$y = \sqrt{x-1} - 2$$



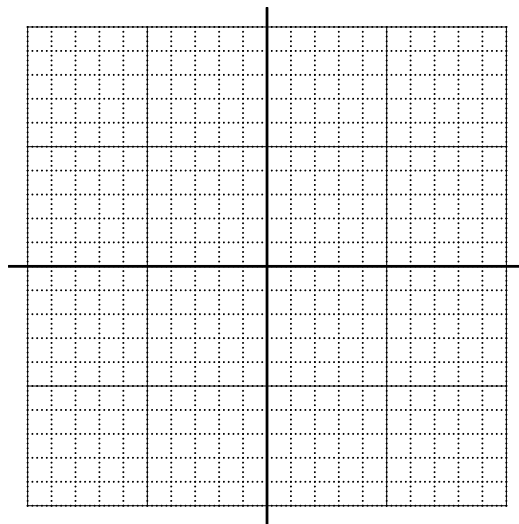
$$y = 2^{x+3} + 2$$



$$y = \sqrt[3]{x-2} - 3$$

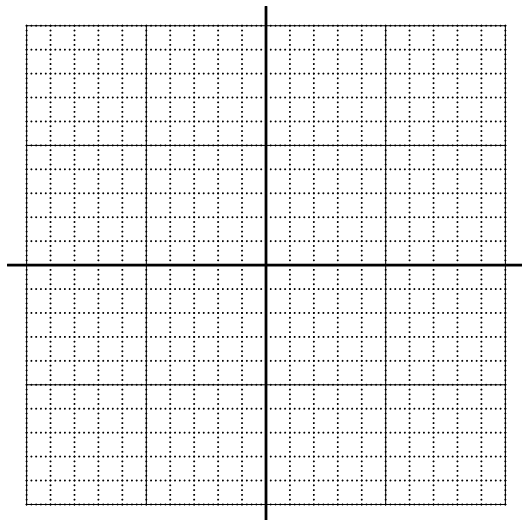


$$y = |x-1| + 2$$

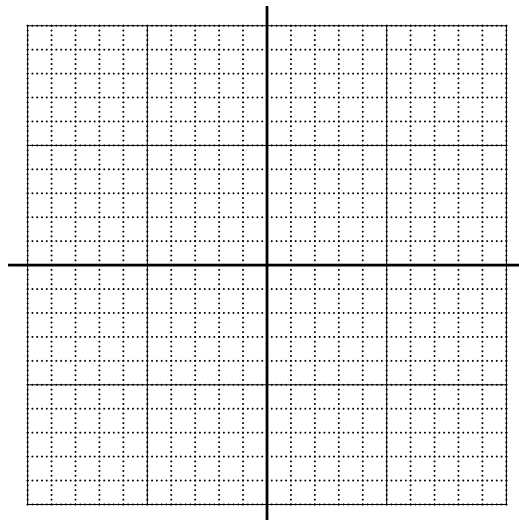


## PCW\_09\_29: Graph Parent Translations (version 2)

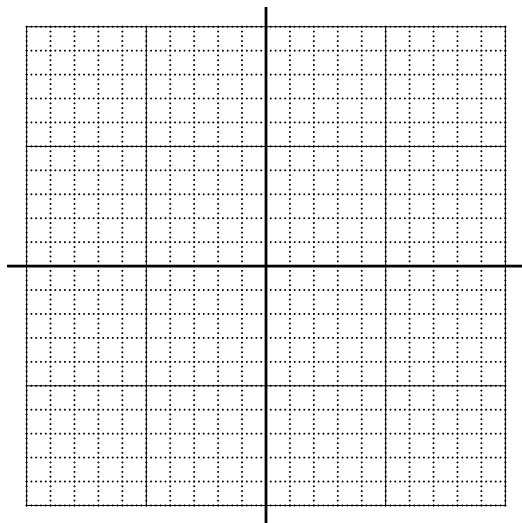
$$y = \log_2(x+4) - 3$$



$$y = \frac{1}{x+5} + 2$$



$$y = (x-3)^2 + 1$$



$$y = (x+5)^3 + 1$$

